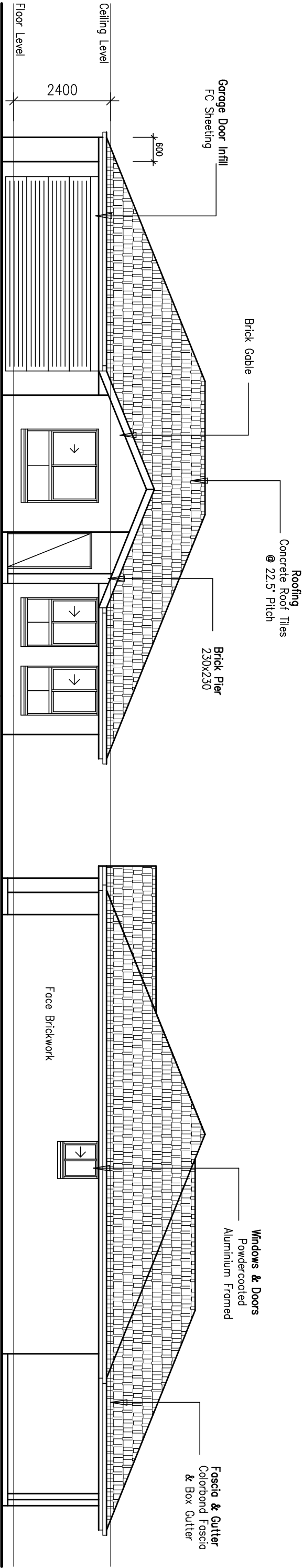


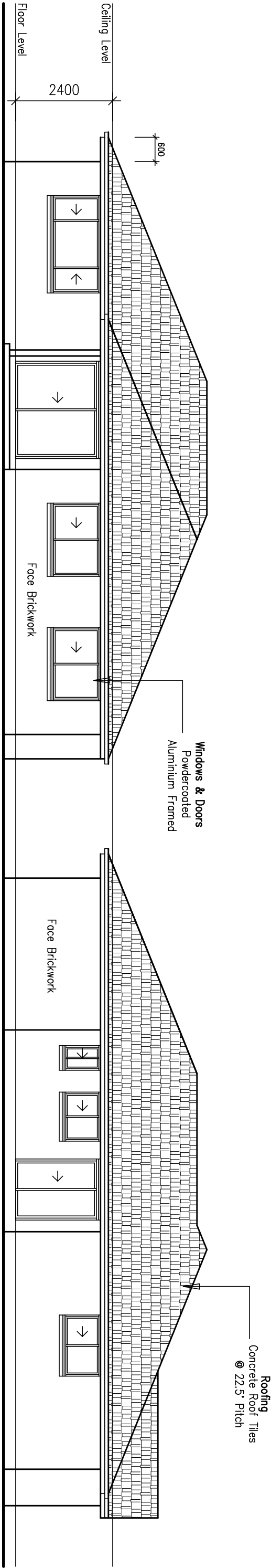
LOT 5 AREA 572m2

Builder to Confirm all
Finished Floor Levels on Site

builder			project type		address		title		sheet	
<div>© Copyright Copying of this Plan is Strictly Prohibited without Written Permission</div> <div>HIBBARD'S BUILDERS OF QUALITY HOMES 32 MOONEE ST COFFS HARBOUR B/LIC NO 41122C PH 02 66503300</div>			PROPOSED RESIDENCE		LOT 5 STREET COFFS HARBOUR		D.P. ??????		SITE PLAN BUILT TO BUILDERS DISCRETION SCALE 1:200 @ A3	
									02 revision	
									A	



WEST ELEVATION



SOUTH ELEVATION

EAST ELEVATION

NORTH ELEVATION

FRONT D

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builder	
<div><div><div>HIBBARD'S</div><div>BUILDERS OF QUALITY HOMES</div><div>32 MOONEE ST COFFS HARBOUR</div><div>B/LIC NO 41122C</div><div>PH 02 66503300</div></div></div>	
project type	
<div><div>PROPOSED RESIDENCE</div><div>client</div><div>HIBBARDS</div></div>	
address	
<div><div>LOT 5</div><div>STREET</div><div>COFFS HARBOUR</div></div>	
title	
<div><div>ELEVATIONS</div><div>BUILT TO BUILDERS DISCRETION</div><div>SCALE 1:100 @ A3</div></div>	
sheet	
<div><div>O4</div><div>revision</div><div>A</div></div>	

BASIX[®]Certificate

Building Sustainability Index www.basix.nsw.gov.au

Single Dwelling

Certificate number: 488805S




This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 29/06/2009 published by the Department of Planning. This document is available at www.basix.nsw.gov.au

Director-General

Date of issue: Wednesday, 19 June 2013

To be valid, this certificate must be lodged within 3 months of the date of issue.



Project summary		
Project name	Lot 5 Pettina Park, Coffs Harbour	
Street address	5 Pettina Park Coffs Harbour 2450	
Local Government Area	Coffs Harbour City Council	
Plan type and plan number	deposited 1044292	
Lot no.	5	
Section no.	-	
Project type	separate dwelling house	
No. of bedrooms	4	
Project score		
Water	 40	Target 40
Thermal Comfort	 Pass	Target Pass
Energy	 43	Target 40

Certificate Prepared by
Name / Company Name: Paul Treseder
ABN (if applicable): 56388046140

Description of project

Project address

Project name	Lot 5 Pettina Park, Coffs Harbour
Street address	5 Pettina Park Coffs Harbour 2450
Local Government Area	Coffs Harbour City Council
Plan type and plan number	Deposited Plan 1044292
Lot no.	5
Section no.	-

Project type

Project type	separate dwelling house
No. of bedrooms	4

Site details

Site area (m ²)	572
Roof area (m ²)	220
Conditioned floor area (m2)	112
Unconditioned floor area (m2)	11
Total area of garden and lawn (m2)	250

Assessor details and thermal loads

Assessor number	n/a
Certificate number	n/a
Climate zone	n/a
Area adjusted cooling load (MJ/m ² .year)	n/a
Area adjusted heating load (MJ/m ² .year)	n/a

Other

none	n/a
------	-----

Project score

Water	✓ 40	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 43	Target 40

Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

Water Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Fixtures			
The applicant must install showerheads with a minimum rating of 3 star (> 7.5 but <= 9 L/min) in all showers in the development.		✓	✓
The applicant must install a toilet flushing system with a minimum rating of 3 star in each toilet in the development.		✓	✓
The applicant must install taps with a minimum rating of 3 star in the kitchen in the development.		✓	
The applicant must install basin taps with a minimum rating of 3 star in each bathroom in the development.		✓	
Alternative water			
Rainwater tank			
The applicant must install a rainwater tank of at least 3000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	✓	✓	✓
The applicant must configure the rainwater tank to collect rain runoff from at least 200 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).		✓	✓
The applicant must connect the rainwater tank to: <ul style="list-style-type: none"> all toilets in the development the cold water tap that supplies each clothes washer in the development at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.) 		✓ ✓ ✓	✓ ✓ ✓

Thermal Comfort Commitments

Show on
DA plans

Show on CC/CDC
plans & specs

Certifier
check

Floor, walls and ceiling/roof

The applicant must construct the floor(s), walls, and ceiling/roof of the dwelling in accordance with the specifications listed in the table below.



Construction	Additional insulation required (R-Value)	Other specifications
floor - concrete slab on ground	nil	
external wall - brick veneer	1.36 (or 1.90 including construction)	
external wall - brick veneer	1.36 (or 1.90 including construction)	
external wall - brick veneer	1.36 (or 1.90 including construction)	
external wall - brick veneer	1.36 (or 1.90 including construction)	
internal wall shared with garage - plasterboard	nil	
ceiling and roof - flat ceiling / pitched roof	ceiling: 2.5 (down), roof: foil/sarking	unventilated; dark (solar absorptance > 0.70)

Note Insulation specified in this Certificate must be installed in accordance with Part 3.12.1.1 of the Building Code of Australia.

Thermal Comfort Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Windows, glazed doors and skylights			
The applicant must install the windows, glazed doors and shading devices described in the table below, in accordance with the specifications listed in the table. Relevant overshadowing specifications must be satisfied for each window and glazed door.	✓	✓	✓
The dwelling may have 1 skylight (<0.7 square metres) and up to 2 windows/glazed doors (<0.7 square metres) which are not listed in the table.	✓	✓	✓
<p>The following requirements must also be satisfied in relation to each window and glazed door:</p> <ul style="list-style-type: none"> Except where the glass is 'single clear' or 'single toned', each window and glazed door must have a U-value no greater than that listed and a Solar Heat Gain Coefficient (SHGC) +/-10% of that listed. Total system U-values and SHGC must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. The leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 millimetres above the head of the window or glazed door, except that a projection greater than 500 mm and up to 1500 mm above the head must be twice the value in the table. Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35. Unless they have adjustable shading, pergolas must have fixed battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm. 	✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓


Window/glazed door no.	Orientation	Maximum area (square metres)	Type	Shading	Overshadowing
1818sw	NW	3.24	improved aluminium, single pyrolytic low-e (U-value:4.48, SHGC:0.46)	none	not overshadowed
1812sw	NW	2.16	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
1812sw	NW	2.16	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
0909sw	NE	0.81	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
1224sw	SE	2.43	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
2124sd	SE	5.04	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony >2,000 mm	not overshadowed


Window/glazed door no.	Orientation	Maximum area (square metres)	Type	Shading	Overshadowing
1218sw	SE	2.16	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/ pergola/balcony 451-600 mm	not overshadowed
1218sw	SE	2.16	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/ pergola/balcony 451-600 mm	not overshadowed
0906sw	SW	0.54	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	none	not overshadowed
0912sw	SW	1.08	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	none	not overshadowed
2115sd	SW	3.15	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	none	not overshadowed
0915sw	SW	1.35	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/ pergola/balcony 451-600 mm	not overshadowed


Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Hot water			
The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas storage with a performance of 5 stars.	✓	✓	✓
Cooling system			
The living areas must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.		✓	✓
The bedrooms must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.		✓	✓
Heating system			
The living areas must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		✓	✓
The bedrooms must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		✓	✓
Ventilation			
The applicant must install the following exhaust systems in the development: At least 1 Bathroom: no mechanical ventilation (ie. natural); Operation control: n/a		✓	✓
Kitchen: individual fan, not ducted; Operation control: manual switch on/off		✓	✓
Laundry: natural ventilation only, or no laundry; Operation control: n/a		✓	✓
Natural lighting			
The applicant must install a window and/or skylight in 3 bathroom(s)/toilet(s) in the development for natural lighting.	✓	✓	✓
Other			
The applicant must install a fixed outdoor clothes drying line as part of the development.		✓	

Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a  in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a  in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a  in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate (either interim or final) for the development may be issued.

* HIBBARDS *

* PROPOSED DWELLING *

Sheet 1 Cover page + Drawing Schedule + Basix
Sheet 2 Site Plan
Sheet 3 Slab + Drainage Plan
Sheet 4 Floor Plan
Sheet 5 Roof Plan
Sheet 6 Elevations
Sheet 7 Section

BASIX

Water Details

Area garden/lawn: 250
Area native species: 0
3 Star Taps to all plumber fixture's.
3 Star rated shower heads.
3 Star rated flushing W.C x two.
Roof runoff area 220 Sqm.
200 Sqm runoff to rainwater tank
Down pipe's are to discharge
into rain water tank.
Rain water tank size 3000 ltr.
Rain water connected to:
Garden & Lawn, all WC's, laundry,
Rain water tank overflow is to
discharge to interalotment drain.

BASIX

Energy

Solar Absorptance >0.70 Dark
Hot water: 5 Star Gas LPG
Cooling: N/A
Heating: N/A
No active heating to Bedrooms
Natural ventilation to Bathrooms
Kitchen exhaust: individual fan,
not ducted. Manual on/off switch.
Natural ventilation to laundry
Electric oven & Cooktop
Outdoor clothes line to be installed

BASIX

Thermal Comfort

R3.0 Insulation to ceiling.
R1.5 insulation to outside walls.
R1.5 Insulation to internal garage walls
Sisalation to outside walls
Concrete roof tiles with Sarking.
Eave & gutter width 600mm

Window Type	Material	Notes	Qty
1818sw	U-Value: 4.48 SHGC:0.46	Bedroom 2	1
1812sw	U-Value: 6.44 SHGC:0.75	Theatre	2
0909sw	U-Value: 6.44 SHGC:0.75	Ensuite	1
1224sw	U-Value: 6.44 SHGC:0.75	Bedroom 1	1
2124sd	U-Value: 6.44 SHGC:0.75	Family Room	1
1218sw	U-Value: 6.44 SHGC:0.75	Bedroom 3 & 4	2
0906sw	U-Value: 6.44 SHGC:0.75	W/C	1
0912sw	U-Value: 6.44 SHGC:0.75	Bathroom	1
2115sd	U-Value: 6.44 SHGC:0.75	Laundry	1
0915sw	U-Value: 6.44 SHGC:0.75	Garage	1

FRONT PAGE

Scale N.A

HIBBARDS
BUILDERS OF QUALITY HOMES
32 Moonee St, Coffs Harbour, NSW 2450

PAUL TRESEDER
DRAFTING SERVICES
16 Cowell Street, Gladesville, NSW, 2111
Mobile: 0432128545

CLIENT:
PROPOSED DWELLING FOR
HIBBARDS

LOCATED AT LOT 5
PETTINA PARK
COFFS HARBOUR, NSW

NOTE:
DOOR SIZES SHOWN REFER TO DOOR SIZES
NOT THE OPENING WIDTH.
DO NOT SCALE OFF DRAWING
READ ALL DIMENSIONS.
CHECK ALL DIMENSIONS ON SITE
BEFORE FABRICATING ANYTHING.
DRAWINGS TO BE CHECKED BY A
PRACTICING STRUCTURAL ENGINEER
PRIOR TO CONSTRUCTION.
THESE DRAWINGS ARE SUBJECT TO COPYRIGHT.

DATE: 19/06/2013	SHEET No: 1 of 1
REF: HIB-13/019 JOB CODE	BLN : 41122C